

EAST Search History

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|-----|----|---|---|----|-----|------------------|
| S6 | 0 | ((380/210.ccls. and encoder) and ((images "video signals" signals))) and "signal proper" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:10 |
| S7 | 21 | ((380/210.ccls. and encoder) and ((images "video signals" signals))) and ("watermark pattern" "encryption key") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:11 |
| S8 | 0 | ((380/210.ccls. and encoder) and ((images "video signals" signals))) and ("watermark pattern" "encryption key")) and ((multiple several) near10 "encryption key") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:02 |
| S9 | 34 | "382".clas. and "signal property" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:47 |
| S10 | 12 | ("382".clas. and "signal property") and ("watermark pattern" "encryption key") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:12 |
| S11 | 0 | "09186962".ap. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:12 |
| S12 | 0 | "09186962".an. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:13 |
| S13 | 28 | "09186962" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:14 |
| S14 | 37 | "09/186962" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:29 |
| S15 | 37 | "09/186962" and "1998" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:15 |
| S16 | 1 | "6307949".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:30 |
| S17 | 1 | "6128736".PN. | USPAT | OR | OFF | 2004/02/04 11:30 |
| S18 | 1 | "5862260".PN. | USPAT | OR | OFF | 2004/02/04 11:31 |
| S19 | 1 | "5721788".PN. | USPAT | OR | OFF | 2004/02/04 11:31 |

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| S20 | 0 | ("382".clas. and "signal property") and embedder and dettector | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:47 |
| S21 | 13 | ("382".clas. and "signal property") and embedder | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 11:51 |
| S22 | 2 | ("382".clas. and "signal property") and (analyz\$3 near5 "signal property") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:22 |
| S23 | 1322 | ("382".clas. and (analyz\$3 near5 signal)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 14:44 |
| S24 | 343 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:24 |
| S25 | 0 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and (associate near10 watermark near10 values) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:50 |
| S26 | 0 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("different watermark pattern") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:29 |
| S27 | 16 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and (memory and analyzer and selector and adder) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:42 |
| S28 | 1 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("spacial distribution") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:43 |
| S29 | 0 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("distribution of luminance values across the image") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:44 |
| S30 | 19 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("luminance values") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:47 |

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| S31 | 0 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("luminance values")) and ((temporal spatial) near10 distribution) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:45 |
| S32 | 2 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and ("luminance values")) and (average near10 luminance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:48 |
| S33 | 1 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and (local near5 image near5 activity) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 13:51 |
| S34 | 60 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and (frequency near5 domain) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 14:27 |
| S35 | 1 | "5379757".PN. | USPAT | OR | OFF | 2004/02/04 13:57 |
| S36 | 1 | "5134476".PN. | USPAT | OR | OFF | 2004/02/04 13:59 |
| S37 | 1 | "5359438".PN. | USPAT | OR | OFF | 2004/02/04 14:02 |
| S38 | 1 | "5341442".PN. | USPAT | OR | OFF | 2004/02/04 14:02 |
| S39 | 1 | "5237409".PN. | USPAT | OR | OFF | 2004/02/04 14:05 |
| S40 | 1 | "6005622".PN. | USPAT | OR | OFF | 2004/02/04 14:12 |
| S41 | 1 | "5974184".PN. | USPAT | OR | OFF | 2004/02/04 14:15 |
| S42 | 1 | "5970172".PN. | USPAT | OR | OFF | 2004/02/04 14:15 |
| S43 | 1 | "5485279".PN. | USPAT | OR | OFF | 2004/02/04 14:26 |
| S44 | 3 | ((("382".clas. and (analyz\$3 near5 signal))) and (determin\$3 near10 (property characteristic))) and (frequency near5 domain)) and (different near5 watermark near10 (pattern code)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 14:29 |
| S45 | 1 | "6345104".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 14:29 |
| S46 | 1 | "5982956".PN. | USPAT | OR | OFF | 2004/02/04 14:33 |
| S47 | 1 | "5974548".PN. | USPAT | OR | OFF | 2004/02/04 14:33 |
| S48 | 1 | "5974548".PN. | USPAT | OR | OFF | 2004/02/04 14:36 |
| S49 | 1 | "5710834".PN. | USPAT | OR | OFF | 2004/02/04 14:36 |

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|-----|-----|--|---|----|-----|------------------|
| S50 | 784 | | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 17:41 |
| S51 | 1 | "6671388" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:48 |
| S52 | 0 | "6671388,6577745,6505223, 6477431".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:49 |
| S53 | 0 | "6671388,6577745,6505223, 6477431" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:54 |
| S54 | 0 | "6671388.pn" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:51 |
| S55 | 1 | "6671388".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:51 |
| S56 | 1 | "6577745".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:53 |
| S57 | 1 | "6505223".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 16:55 |
| S58 | 221 | | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 17:43 |
| S59 | 0 | "I340" and (convert near5 ("time-frequency domain" "time frequency domain")) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 17:44 |
| S60 | 1 | | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/04 17:45 |
| S61 | 17 | | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 16:15 |
| S62 | 1 | "6226387".PN. | USPAT | OR | OFF | 2004/02/04 17:50 |

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| S63 | 1 | "6226387".PN. | USPAT | OR | OFF | 2004/02/04 17:51 |
| S64 | 1 | "5850481".PN. | USPAT | OR | OFF | 2004/02/04 17:51 |
| S65 | 1 | "5930369".PN. | USPAT | OR | OFF | 2004/02/04 17:52 |
| S66 | 1 | "5915027".PN. | USPAT | OR | OFF | 2004/02/04 17:53 |
| S67 | 1 | "5905819".PN. | USPAT | OR | OFF | 2004/02/04 17:54 |
| S68 | 1 | "5915027".PN. | USPAT | OR | OFF | 2004/02/04 17:54 |
| S69 | 1 | "5734752".PN. | USPAT | OR | OFF | 2004/02/04 17:54 |
| S70 | 1 | "5636292".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 16:16 |
| S71 | 123 | "382".clas. and "watermark patterns" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:03 |
| S72 | 1 | "6226387".PN. | USPAT | OR | OFF | 2004/02/05 16:32 |
| S73 | 1 | "6122403".PN. | USPAT | OR | OFF | 2004/02/05 16:43 |
| S74 | 1 | "5862260".PN. | USPAT | OR | OFF | 2004/02/05 16:43 |
| S75 | 1 | "5835639".PN. | USPAT | OR | OFF | 2004/02/05 16:43 |
| S76 | 1 | "6185312".PN. | USPAT | OR | OFF | 2004/02/05 16:47 |
| S77 | 1 | "6226387".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:03 |
| S78 | 24 | 380/210.ccls. and (analy\$4 near5 signal) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:09 |
| S79 | 0 | 380/210.ccls. and (analy\$4 near5 signal) and (watermark near patten) and (signal near characteristic) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:11 |
| S80 | 0 | 380/100.ccls. and (analy\$4 near5 signal) and (watermark near patten) and (signal near characteristic) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:11 |
| S81 | 0 | 382/100.ccls. and (analy\$4 near5 signal) and (watermark near patten) and (signal near characteristic) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:11 |
| S82 | 0 | 382/100.ccls. and (analy\$4 near5 signal) and (watermark near patten) and (signal near characteristic) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:11 |

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| S83 | 0 | 382/100.ccls. and (analy\$4 near5 signal) and (watermark near pattren) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/05 18:12 |
| S84 | 1 | "5848155".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:09 |
| S85 | 1 | "5664018".PN. | USPAT | OR | OFF | 2004/02/06 08:48 |
| S86 | 1 | "5659726".PN. | USPAT | OR | OFF | 2004/02/06 08:48 |
| S87 | 1 | "5646997".PN. | USPAT | OR | OFF | 2004/02/06 08:48 |
| S88 | 1 | "6553127".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:31 |
| S89 | 1 | "6208745".PN. | USPAT | OR | OFF | 2004/02/06 09:10 |
| S90 | 1 | "6163842".PN. | USPAT | OR | OFF | 2004/02/06 09:11 |
| S91 | 1 | "6049627".PN. | USPAT | OR | OFF | 2004/02/06 09:11 |
| S92 | 1 | "5960081".PN. | USPAT | OR | OFF | 2004/02/06 09:11 |
| S93 | 1 | "5930369".PN. | USPAT | OR | OFF | 2004/02/06 09:11 |
| S94 | 1 | "5867586".PN. | USPAT | OR | OFF | 2004/02/06 09:12 |
| S95 | 1 | "5659613".PN. | USPAT | OR | OFF | 2004/02/06 09:12 |
| S96 | 1 | "5530759".PN. | USPAT | OR | OFF | 2004/02/06 09:13 |
| S97 | 0 | "382"".""100".ccls. and (calculat\$3 near watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:31 |
| S98 | 0 | "382"".""100".ccls. and ((evaluat\$3 encod\$3 calculat\$3) near watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:32 |
| S99 | 0 | "382"".""100".ccls. and ((evaluat\$3 encod\$3 calculat\$3) near10 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:32 |
| S10 0 | 0 | "382"".""100".ccls. and ((formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:33 |
| S10 1 | 0 | "382"".""100".ccls. and ((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:33 |

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| S10 2 | 1197 | ((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:34 |
| S10 3 | 269 | ((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:34 |
| S10 4 | 59 | ((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 value near5 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 09:35 |
| S10 5 | 59 | (((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 value near5 watermark)) and ((multiple several "more than one") near10 patten watermark "watermakr pattern") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 11:01 |
| S10 6 | 1 | "6226387".PN. | USPAT | OR | OFF | 2004/02/06 09:58 |
| S10 7 | 1 | "6122403".PN. | USPAT | OR | OFF | 2004/02/06 09:59 |
| S10 8 | 1 | "5862260".PN. | USPAT | OR | OFF | 2004/02/06 09:59 |
| S10 9 | 1 | "5835639".PN. | USPAT | OR | OFF | 2004/02/06 09:59 |
| S11 0 | 1 | "6216228".PN. | USPAT | OR | OFF | 2004/02/06 10:10 |
| S11 1 | 1 | "6209094".PN. | USPAT | OR | OFF | 2004/02/06 10:11 |
| S11 2 | 1 | "6209092".PN. | USPAT | OR | OFF | 2004/02/06 10:11 |
| S11 3 | 1 | "6198832".PN. | USPAT | OR | OFF | 2004/02/06 10:11 |
| S11 4 | 1 | "6064764".PN. | USPAT | OR | OFF | 2004/02/06 10:11 |
| S11 5 | 1 | "5835639".PN. | USPAT | OR | OFF | 2004/02/06 10:12 |
| S11 6 | 1 | "6553127".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 10:44 |

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|----------|-----|--|---|----|----|------------------|
| S11 7 | 0 | (((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 value near5 watermark)) and ((multiple several "more than one") near10 patten watermark "watermakr pattern")) and (shape same frequency same spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 11:02 |
| S11 8 | 0 | (((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 watermark)) and (shape same frequency same spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 11:02 |
| S11 9 | 1 | (((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 watermark)) and (shape near frequency) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 11:03 |
| S12 0 | 42 | (((((associat\$3 formulat\$3 evaluat\$3 encod\$3 calculat\$3) near10 watermark)) and (correspon\$4 near20 watermark)) and (frequency near coefficient) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 11:03 |
| S12 1 | 187 | 382/100.ccls. and (analy\$4 near5 signal) and (watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:02 |
| S12 2 | 11 | (382/100.ccls. and (analy\$4 near5 signal) and (watermark)) and ((prevent\$3 refrain\$3 protect\$3) near10 watermarked) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:09 |
| S12 3 | 1 | "6381341".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:20 |
| S12 4 | 16 | (382/100.ccls. and (analy\$4 near5 signal) and (watermark)) and (combin\$4 near watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:31 |
| S12 5 | 0 | (382/100.ccls. and (analy\$4 near5 signal) and (watermark)) and (combin\$4 near "watermark patterns") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:32 |
| S12 6 | 0 | (382/100.ccls. and (analy\$4 near5 signal) and (watermark)) and (watermark near combiner) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:33 |

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| S12 7 | 0 | 382/100.ccls. and (watermark near combiner) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:34 |
| S12 8 | 5 | 382/100.ccls. and (sum near watermarks) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 14:44 |
| S12 9 | 3 | 382/100.ccls. and (average near watermarks) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 15:12 |
| S13 0 | 9 | 382/100.ccls. and (already near watermarked) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 15:16 |
| S13 1 | 0 | 382/100.ccls. and (combin\$3 near ("watermark detector" "watermark embedder")) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 17:03 |
| S13 2 | 12 | 382/100.ccls. and (multi-bit near watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 17:11 |
| S13 3 | 2 | 382/100.ccls. and (multi-bit near payload) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/02/06 17:11 |
| S13 4 | 0 | (tmds and (display near unit)) and (encryption near protocol) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/11 07:27 |
| S13 5 | 3 | (tmds and (display near unit)) and (encryption near key) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/11 07:27 |
| S13 6 | 71 | tmds and (display near unit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/11 08:25 |
| S13 7 | 3 | "6559826".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/11 09:05 |

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| S13 8 | 2 | "6085323".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/06/11 09:05 |
| S13 9 | 106 | plurality near watermark | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/16 10:23 |
| S14 0 | 76 | (plurality near watermark) and (embedded near10 watermark) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/16 10:24 |
| S14 1 | 67 | ((plurality near watermark) and (embedded near10 watermark)) and (criterion or value or property) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/16 11:03 |
| S14 2 | 1 | "5841970".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/16 11:03 |
| S14 3 | 1 | "5933798.pn.." | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:36 |
| S14 4 | 1 | "5933798".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:41 |
| S14 5 | 76 | analyz\$3 same ((spacial or temporal) near distribution) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:47 |
| S14 6 | 0 | (analyz\$3 same ((spacial or temporal) near distribution)) and ((luminance near value) or (luminance same value)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:42 |
| S14 7 | 1062 | ((spacial or temporal) near distribution) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:50 |
| S14 8 | 76 | ((((spacial or temporal) near distribution)) and (analyz\$3 same ((spacial or temporal) near distribution)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:47 |
| S14 9 | 76 | ((spacial or temporal) near distribution) and (analyz\$3 same ((spacial or temporal) near distribution)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:49 |

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|----------|-------|---|---|----|-----|------------------|
| S15 0 | 0 | (analyz\$3 same ((spacial or temporal) near distribution)) not (((spacial or temporal) near distribution) and (analyz\$3 same ((spacial or temporal) near distribution))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 11:11 |
| S15 1 | 6 | (((spacial or temporal) near distribution) and (analyz\$3 same ((spacial or temporal) near distribution))) and (frequency near spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:51 |
| S15 2 | 10287 | ((spatial or temporal) near distribution) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:51 |
| S15 3 | 494 | analyz\$4 same ((spatial or temporal) near distribution) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 15:51 |
| S15 4 | 41 | (analyz\$4 same ((spatial or temporal) near distribution)) and (frequency near spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:30 |
| S15 5 | 0 | (analyz\$4 same ((spatial or temporal) near distribution)) and (frequency near spectrum) and (luminance near values) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:29 |
| S15 6 | 74 | (analyz\$4 same (shape same (frequency near spectrum))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:30 |
| S15 7 | 7 | (analyz\$4 same ((spatial or temporal) near distribution)) and (frequency near spectrum) and luminance | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:32 |
| S15 8 | 1 | "4360799".PN. | USPAT | OR | OFF | 2004/06/17 18:32 |
| S15 9 | 2 | "3829218".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:36 |
| S16 0 | 1 | "447789".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:36 |
| S16 1 | 1 | "4477829".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/17 18:36 |

EAST Search History

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|----------|-------|---|---|----|----|------------------|
| S16 2 | 25 | (analyz\$3 same (shape near10 (frequency near spectrum))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 11:52 |
| S16 3 | 0 | ((analyz\$3 same (shape near10 (frequency near spectrum)))) and (luminance near value) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 11:39 |
| S16 4 | 480 | (analyz\$3 same shape) and (frequency near spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 11:53 |
| S16 5 | 74 | (analyz\$3 same shape) same (frequency near spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 11:53 |
| S16 6 | 49 | ((analyz\$3 same shape) same (frequency near spectrum)) not ((analyz\$3 same (shape near10 (frequency near spectrum)))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:03 |
| S16 7 | 12802 | spectrum same analyzer | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:04 |
| S16 8 | 0 | (spectrum same analyzer) and (distinct near luminance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:04 |
| S16 9 | 257 | (spectrum same analyzer) and (luminance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:04 |
| S17 0 | 92 | (spectrum same analyzer) same luminance | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:05 |
| S17 1 | 18 | ((spectrum same analyzer) same luminance) and (frequency same spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:13 |
| S17 2 | 275 | (analyz\$3 same shape) same (frequency same spectrum) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:22 |
| S17 3 | 274 | ((analyz\$3 same shape) same (frequency same spectrum)) not (((spectrum same analyzer) same luminance) and (frequency same spectrum)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:14 |

EAST Search History

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|----------|-------|---|---|----|-----|------------------|
| S17 4 | 0 | ((analyz\$3 same shape) same (frequency same spectrum)) not (((spectrum same analyzer) same luminance) and (frequency same spectrum))) and (luminance near value) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:15 |
| S17 5 | 3 | ((analyz\$3 same shape) same (frequency same spectrum)) not (((spectrum same analyzer) same luminance) and (frequency same spectrum))) and (luminance) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:15 |
| S17 6 | 8861 | (analyz\$3 same (frequency same spectrum)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 12:22 |
| S17 7 | 176 | ((analyz\$3 same (frequency same spectrum))) and Luminance | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 15:51 |
| S17 8 | 1 | "4184205".PN. | USPAT | OR | OFF | 2004/06/18 12:25 |
| S17 9 | 1 | "5260648".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 15:56 |
| S18 0 | 2 | "3829218".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 15:57 |
| S18 1 | 1 | "4477829".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 16:00 |
| S18 2 | 29723 | luminance same (characteristics or properties or values) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 16:01 |
| S18 3 | 0 | (luminance same (characteristics or properties or values)) and ((analyz\$ same shape) same (frequency near spectrum)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/18 17:38 |
| S18 4 | 159 | encryption near circuitry | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/21 17:58 |
| S18 5 | 1 | (encryption near circuitry) and (spectral same (characteristic or signature)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/21 17:59 |

EAST Search History

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|----------|------|---|---|----|----|------------------|
| S18 6 | 1 | (encryption near circuitry) and (spectral same (characteristic)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/21 17:59 |
| S18 7 | 0 | ((encryption near circuitry) and (spectral same (characteristic))) not ((encryption near circuitry) and (spectral same (characteristic or signature))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/21 17:59 |
| S18 8 | 1 | (encryption near circuitry) and (receiv\$3 near plaintext) and ((output or send\$4) same (cyphertext or (encrypted near (text or content or message)))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/06/21 18:02 |
| S18 9 | 28 | (analyz\$5 near10 (property or characteristic)) and (embed\$5 near5 watermark) and ((different or multiple) near5 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 13:11 |
| S19 0 | 0 | linartz.in. and embedding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 13:11 |
| S19 1 | 28 | linnartz.in. and embedding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 13:38 |
| S19 2 | 1 | "6330673".PN. | USPAT; USOCR | OR | ON | 2005/03/24 13:15 |
| S19 3 | 1 | "5719937".PN. | USPAT; USOCR | OR | ON | 2005/03/24 13:15 |
| S19 4 | 2 | "5933798".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 11:13 |
| S19 5 | 1 | "5664018".PN. | USPAT; USOCR | OR | ON | 2005/03/24 13:38 |
| S19 6 | 3533 | embed\$5 near10 watermark | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 11:29 |

EAST Search History

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|----------|--------|---|---|----|----|------------------|
| S19 7 | 73 | S196 and (analyz\$5 near10 (property or characteristics)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 11:30 |
| S19 8 | 20 | S197 and ((select\$4 or pick\$4 or choos\$5) near5 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 12:36 |
| S19 9 | 346177 | (analyz\$5 same ((spatial and temporal) near10 distribution)) audio signal and embedding watermark | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:10 |
| S20 0 | 1 | (analyz\$5 same ((spatial and temporal) near10 distribution)) and (audio near2 signal) and (embed\$5 near10 watermark) and (signal near5 (property or characteristics)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:12 |
| S20 1 | 1 | (analyz\$5 same ((spatial and temporal) near10 distribution)) and (audio near2 signal) and (embed\$5 near10 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:12 |
| S20 2 | 1 | (analyz\$5 same ((spatial and temporal) near10 distribution)) and (embed\$5 near10 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:13 |
| S20 3 | 3533 | (embed\$5 near10 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:13 |
| S20 4 | 323 | S203 and (analyz\$4 near5 signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:14 |
| S20 5 | 94 | S204 and (signal near5 property) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:14 |
| S20 6 | 46 | S205 and ((pick\$5 or select\$5 or choos\$5) near10 watermark) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 13:30 |

EAST Search History

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|----------|---|---------------|---|----|----|------------------|
| S20 7 | 2 | "6122403".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/25 14:29 |
| S20 8 | 1 | "6801999".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/03/25 15:02 |
| S20 9 | 1 | "6222932".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 09:37 |
| S21 0 | 1 | "5260648".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 09:37 |
| S21 1 | 1 | "5933798".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:06 |
| S21 2 | 1 | "6202066".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:11 |
| S21 3 | 1 | "2002009199" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:09 |
| S21 4 | 1 | "20020009199" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:09 |
| S21 5 | 1 | "6088804".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:12 |
| S21 6 | 1 | "6408391".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:14 |
| S21 7 | 1 | "5774058".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:19 |
| S21 8 | 1 | "6219634".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:22 |

EAST Search History

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|----------|------|---|---|----|----|------------------|
| S21 9 | 1 | "20050137980" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:22 |
| S22 0 | 2474 | certificate adj1 authority | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:11 |
| S22 1 | 59 | S220 and (pending near5 request) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:05 |
| S22 2 | 24 | S221 and queue\$4 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:57 |
| S22 3 | 16 | S222 and (request\$5 near3 certificate) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 10:58 |
| S22 4 | 1 | "6202159".PN. | USPAT; USOCR | OR | ON | 2005/11/15 11:00 |
| S22 5 | 0 | S220 and (queue\$4 near5 (pending near3 request)) and (request\$5 near5 register) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:07 |
| S22 6 | 0 | S220 and (queue\$4 near10 (pending near3 request)) and (request\$5 near5 register) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:07 |
| S22 7 | 0 | S220 and (queue\$4 near10 (pending near3 request)) and (request\$5 near5 register\$5) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:07 |
| S22 8 | 10 | S220 and (queue\$4 near10 (pending near3 request)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:07 |
| S22 9 | 3 | S220 and (((generat\$4 or creat\$4 or issu\$4) near5 certificate) same (demographic near data)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:15 |
| S23 0 | 2050 | S220 and (((generat\$4 or creat\$4 or issu\$4) near5 certificate) or (register\$4 near5 user)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:15 |

EAST Search History

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|----------|-------|---|---|----|----|------------------|
| S23 1 | 700 | S220 and (((generat\$4 or creat\$4 or issu\$4) near5 certificate) and (register\$4 near5 user)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:16 |
| S23 2 | 3 | S231 and (pending adj1 request) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:18 |
| S23 3 | 1 | S231 and (queu\$4ing near4 request) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 11:18 |
| S23 4 | 13 | S231 and (queu\$4 near4 request) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 13:03 |
| S23 5 | 1 | "6222932".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:18 |
| S23 6 | 14698 | queu\$4 near5 request | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:19 |
| S23 7 | 20 | S236 and ((queu\$4 near5 request) near5 certificate) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:37 |
| S23 8 | 0 | S236 and (((queu\$4 near5 request) near5 certificate) same register\$5) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:37 |
| S23 9 | 0 | S236 and (((queu\$4 near5 request) near5 certificate) same register\$6) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:55 |
| S24 0 | 7920 | (queu\$4 adj3 request) or "place request in queue" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:56 |
| S24 1 | 385 | S240 and (process\$5 near5 manual\$4) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 14:56 |
| S24 2 | 37 | S241 and ((issu\$4 or generat\$4 or creat\$5) near5 certificate) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 15:42 |

EAST Search History

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|----------|---------|---|---|----|----|------------------|
| S24 3 | 1 | "6438690".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 15:45 |
| S24 4 | 147 | sequential\$4 near5 (processing adj3 request) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/11/15 15:45 |
| S24 5 | 1 | "6222932".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 09:13 |
| S24 6 | 1 | "5933798".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 09:45 |
| S24 7 | 1 | "6064751".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 09:45 |
| S24 8 | 1 | "5680470".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 09:51 |
| S24 9 | 1 | "5260648".pn. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:03 |
| S25 0 | 1552583 | (plurality or multiple or two or additional or different) with (set or group) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:04 |
| S25 1 | 572 | S250 with (watermark\$5 or Steganograph\$3) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:08 |
| S25 2 | 368490 | S250 with (select\$5 or pick\$5 or determin\$5 or cho\$7) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:09 |
| S25 3 | 227 | S251 and S252 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:10 |
| S25 4 | 179 | S251 same S252 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 12:10 |

EAST Search History

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|----------|----|--|---|----|----|------------------|
| S25 5 | 63 | S254 and (analyz\$5 near5 (signal or image or picture)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2006/05/31 14:26 |
|----------|----|--|---|----|----|------------------|